

**NAVY TRAINING SYSTEM PLAN**  
**FOR THE**  
**AIRCRAFT RESCUE AND FIREFIGHTING**  
**TRAINING PROGRAM**

**N88-NTSP-A-50-8704B/A**

**FEBRUARY 1998**

## **AIRCRAFT RESCUE AND FIREFIGHTING**

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### **EXECUTIVE SUMMARY**

The Aircraft Rescue and Firefighting (ARFF) Training Program is a result of a Carrier Flag Level Steering Committee on Aircraft Fire Fighting Improvements which, in 1983, tasked the Naval Air Systems Command (NAVAIRSYSCOM) to research and report on methods to improve training, hazards awareness, and on-scene leadership. While the results of the study determined that courses such as C-822-2010, Aviation Boatswain Mate, Aircraft Handling (ABH) Class A1 School, J-495-0413, Shipboard Aircraft Firefighting, and underway training drills were sufficient to produce a fairly disciplined "supportive aircraft firefighter," this training program did not provide for effective team training. The study also identified a need to provide advanced training for supervisory personnel in leadership principles, equipment usage, tactics, and procedures for ARFF and salvage.

Shipboard Aircraft Firefighting Team Training was established and is required once every 24 months, or when there is a 40% personnel turn over for all carrier crash crews. A course of instruction and Navy Enlisted Classification (NEC) code (7011) for the Aircraft Firefighting and Salvage Specialist was established to support the advanced training requirements for supervisory personnel. This NEC and course is being revised to support shipboard only.

The latest version of the Department of Defense Instruction (DoDINST) 6055.6, promulgated in December 1994, defines the DoD Fire and Emergency Service Program. This instruction impacts Navy shore-based training and certification requirements and the Navy's implementation of those requirements are contained in this document. The Navy will use the DoD firefighting Academy at Goodfellow Air Force Base to train all shore-based ABH personnel to meet the DoD requirements for certification. All shore-based billets will be E-4 or higher and this school will require three years of obligated service.

As a result of Base Realignment and Closure Act of 1993, all Aircraft Firefighting Training for ABH personnel (as a class), Shipboard Aircraft Firefighting Team Training, and Aircraft Firefighting and Salvage Specialist Training moved to Pensacola, Florida in October 1996 and was Ready for Training (RFT) in their new facilities in January 1997.

The United States Marine Corps (USMC) ceased training for Military Occupational Specialty (MOS) 7051 at the Naval Air Technical Training Center (NATTC), Millington, Tennessee in September 1995. They commenced training at the DoD Firefighting Academy at Goodfellow Air Force Base, San Angelo, Texas in October 1995 using the DoD approved Fire Protection Apprentice training curriculum.

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An important aspect of firefighting training is drills. The NATOPS requires each firefighter to fight two fires per month to maintain proficiency. Environmental concerns have closed almost all Navy and Marine Corps air station “fire pits.” As a result this training has been “waivered” for several years. Readiness has been impacted. In recent years propane fired mobile training devices have been developed by industry. PMA205 has contracted to purchase one of these devices to meet an immediate shore based training requirement. This first device will be home based at Naval Station, Norfolk. During the first year of operation PMA205, Naval Air Warfare Center, Aircraft Division (NAWCAD), Patuxent River, Maryland and fleet activities will be developing the Training Device Requirements Document (TDRD), evaluating the device procured for Norfolk, and developing the performance specification and logistics package for an acquisition program for FY00. This acquisition will satisfy all Navy readiness training requirements.

PMA205 and PMA251 has developed Computer Based Training (CBT) that supports ARFF training aboard aircraft carriers that has been implemented in the fleet. This CBT provides carriers with an excellent source of refresher training for ABH personnel returning to sea, and an on board training program for all personnel working the flight deck. This CBT also supports the ARFF schools as an additional resource supporting their curriculum and aboard the. Amphibious class ship CBT development is planned as a follow-on when funding becomes available.

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**LIST OF ACRONYMS**

ABH	Aviation Boatswain's Mate, Aircraft Handling
AFB	Air Force Base
AFFF	Aqueous Film Forming Foam
AGF	Amphibious Command Ship
ARFF	Aircraft Rescue and Firefighting
BUPERS	Bureau of Naval Personnel
CAI	Computer Aided Instruction
CBT	Computer-Based Training
CINCLANFLT	Commander-in-Chief, Atlantic Fleet
CINCPACFLT	Commander-in-Chief, Pacific Fleet
CMI	Computer Managed Instruction
CNET	Chief of Naval Education and Training
CNO	Chief of Naval Operations
CPU	Central Processing Unit
CV	Aircraft Carrier
CVN	Aircraft Carrier Nuclear
DoD	Department of Defense
DoDINST	Department of Defense Instruction
EPA	Environmental Protection Agency
FTC	Fleet Training Center
FY	Fiscal Year
HAZMAT	Hazardous Material
ICW	Interactive Courseware
LHA	Amphibious Assault Ship (General Purpose)
LHD	Amphibious Assault Ship (Multi-purpose)
LPD	Amphibious Transport Dock
LPH	Amphibious Assault Ship (Helicopter)
LPO	Leading Petty Officer

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LSE	Landing Signalman Enlisted
MAFTD	Mobile Aircraft Firefighting Training Device
MATMEP	Marine Training Management Evaluation Program
MB	Megabyte
MCS	Mine Countermeasures Support Ship
MILCON	Military Construction
MOS	Military Occupational Specialty
NA	Not Applicable
NAS	Naval Air Station
NATOPS	Naval Air Training and Operating Procedures Standardization
NTC	Navy Training Center
NATTC	Naval Air Technical Training Center
NAVAIR or NAVAIRSYSCOM	Naval Air Systems Command
NAVFAC	Naval Facility
NAVEDTRA	Naval Education Training
NAVSTA	Naval Station
NAVSUPACT	Naval Support Activity
NAWCAD	Naval Air Warfare Center Aircraft Division
NEC	Navy Enlisted Classification
NOBC	Navy Officer Billet Code
NSF	Naval Support Facility
NTSP	Navy Training System Plan
NTTC	Navy Technical Training Center
OJT	On-the-Job Training
OLF	Outlying Field
OPO	OPNAV Principal Official
RAM	Random Access Memory
RFT	Ready For Training
SMD	Ship Manpower Document
TD	Training Device
TDRD	Training Device Requirements Document
TYCOM	Type Commander

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TTE	Technical Training Equipment
USMC	United States Marine Corps
USN	United States Navy



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**PREFACE**

This Approved Navy Training System Plan (NTSP) has been prepared to update the Aircraft Rescue and Firefighting (ARFF) Training Program Draft NTSP A-50-8704B/D, dated January 1997. This update was accomplished through a thorough review of all life-cycle manpower, personnel, and training requirements associated with ARFF.

Changes to this document are directly associated with the establishment of a new Navy Enlisted Classification (NEC) for shore-based firefighters in the Aviation Boatswain's Mate, Aircraft Handling (ABH) rating, the modification of NEC 7011 to a shipboard only NEC, the implementation of the Interactive Computer-Based Training program for Carrier Indoctrination and Firefighting, and the planned acquisition and fielding of a propane fueled Mobile Aircraft Firefighting Training Device.

**PART I - TECHNICAL PROGRAM DATA**

**A. NOMENCLATURE-TITLE-PROGRAM**

- 1. Nomenclature-Title-Acronym.** Aircraft Rescue and Firefighting (ARFF) Training Program.
- 2. Program Element.** 64820N

**B. SECURITY CLASSIFICATION**

- 1. System Characteristics** ..... Unclassified
- 2. Capabilities** ..... Unclassified
- 3. Functions**..... Unclassified

**C. MANPOWER, PERSONNEL, AND TRAINING PRINCIPALS**

- OPNAV Principal Official (OPO) Program Sponsor..... CNO (N885)
- OPO Resource Sponsor ..... CNO (N885, N889)
- Developing Agency..... NAVAIRSYSCOM (PMA251)
- Training Agency ..... CINCLANFLT (N9-312)  
CINCPACFLT (3261)  
CNET (N252)
- Training Support Agency ..... NAVAIRSYSCOM (PMA205)
- Manpower and Personnel Mission Sponsor ..... CNO (N12)  
BUPERS (PERS-40, 404)
- Director of Naval Training ..... CNO (N7)

## **D. SYSTEM DESCRIPTION**

**1. Operational Uses.** The United States Navy (USN) and USMC must ensure each ship and shore activity supporting aircraft operations have highly trained and qualified ARFF and salvage personnel assigned. The ARFF Training Program is designed to ensure each individual training requirement set forth by Naval Air Training and Operating Procedures Standardization (NATOPS) Manuals and Department of Defense Instruction (DoDINST) 6055.6, has been established and specific billets identified to receive the necessary training to support those requirements.

DoDINST 6055.6 defines the Fire and Emergency Service Program for the Department of Defense (DoD). This instruction requires all DoD military, civilian, and contract firefighting personnel to participate in the DoD certification program outlined in the instruction and DoD Fire and Emergency Services Certification Program manual, DoD 6055.6-M.

All USMC formal aircraft firefighting and rescue training is provided at the DoD Firefighting Academy at Goodfellow Air Force Base (AFB) San Angelo, Texas. USMC operational, training and qualification requirements are specifically supported by the DoD school. Follow-on training has been established under Marine Corps Order 3500.19, Chapter 7 of Volume 6, and supports Military Occupational Specialties (MOSs) 7051 and 7002. The Marine Corps Combat Development Center at Quantico, Virginia has assumed responsibility for all USMC firefighting and rescue training.

The ARFF training program described in this document provides the Navy with personnel trained with the basic knowledge required to be a supportive aircraft firefighter, a skilled member of a shipboard or shore-based aircraft firefighting and rescue team, and as a leader and subject matter expert in aircraft firefighting, rescue, and salvage operations, both ashore and afloat. They are trained and qualified in using state-of-the-art firefighting tactics, technology, fire combatant systems, and equipment.

Additional operational requirements and directives have established training requirements and courses for aircraft firefighting. These courses are primarily for personnel assigned to, or deployed on aviation and aviation capable ships. Descriptions of these courses are provided in this NTSP to show how they support the overall training program.

**2. Foreign Military Sales.** None is planned at this time but there may be future opportunities. Contact PMA205 for additional information.

## **E. DEVELOPMENTAL TEST AND OPERATIONAL TEST. NA.**

## **F. AIRCRAFT AND/OR EQUIPMENT/SYSTEM/SUBSYSTEM REPLACED. NA.**

## **G. DESCRIPTION OF NEW DEVELOPMENT**

**1. Functional Description.** ARFF operations are firmly established by the NATOPS Publications NAVAIR 00-80R-14, titled U.S. Navy Aircraft Firefighting and Rescue Manual and NAVAIR 00-80R-14-1, titled U.S. Navy Aircraft Emergency Rescue Information Manual. Shore activities also fall under the Naval Facility (NAVFAC) P-1021, Firefighting Facility Manual (Ashore), various National Fire Codes and National Fire Protection Agency documents. Aircraft salvage operations are firmly established in NATOPS Publications NAVAIR 00-80R-19, titled U.S. Navy Aircraft Crash and Salvage Operations (Afloat), and NAVAIR 00-80R-20, titled U.S. Navy Aircraft Crash and Salvage Operations Manual (Ashore). DoDINST 6055.6 provides overall policy guidance for all DoD fire emergency response.

The ARFF training program provides training in all phases of aircraft firefighting, aircrew rescue, Hazardous Materials (HAZMATs) response, aircraft salvage, and emergency first aid. HAZMATs includes ordnance, aviation fuels, special oxidizing fuels, oils, fluids, oxygen and batteries. HAZMATs are a key element in personnel and environmental safety. In addition to providing individual training, the ARFF training program provides team training in a realistic simulated flight deck environment for shipboard crash, fire, and rescue teams for carrier, amphibious ships, and aviation capable ships, such as frigates and destroyers, as required.

Navy ABH personnel and Limited Duty Officers with Navy Officer Billet Codes (NOBC) 6310 and Chief Warrant Officers with NOBC 7310 direct all phases of aircraft firefighting, rescue, and salvage operations in the event of an aircraft crash afloat, and at activities ashore where assigned. They are also responsible for providing training and supervised drills supporting all phases of aircraft firefighting, rescue, and salvage operations to personnel assigned to assist in these operations.

Upon completion of Aviation Boatswain's Mate Aircraft Handling (ABH) Class A1, Course Identification Number (CIN) C-822-2010, or Shipboard Aircraft Firefighting Training course, J-495-0413, the individual will be a fairly disciplined supportive aircraft firefighter. The latter school is not limited to ABH personnel and may be attended by any Navy rating, as required, when assigned to aviation ships.

Air Capable Ship Helicopter Fire Fighting Team Training course, J-495-0414, provides aircraft firefighting team training for aviation capable ships such as frigates and destroyers.

Those completing the Shipboard Aircraft Firefighting Team Training course, C-780-2012, will be part of a skilled, disciplined, highly effective shipboard firefighting and rescue team. This training is required once every 18 to 24 months for carrier and amphibious class aviation shipboard firefighting teams.

ABH personnel who complete ABH Afloat Advanced Training, C-780-2013, will be awarded NEC 7011, and will be skilled in the leadership required for shipboard aircraft

firefighting, rescue, and salvage operations. They will be assigned to key positions on board Aircraft Carrier (CV), Aircraft Carrier Nuclear (CVN), and amphibious class aviation ships. This is advanced training and is provided to personnel in pay grades E-5 through E-9.

ABH personnel who complete the DoD course of instruction X3ABR3E731 006, Fire Protection Apprentice, will be awarded the proposed NEC 70XX. These personnel will be certified as a Firefighter I and II, HAZMAT response, and as an Airport Firefighter within the guidelines of DoDINST 6055.6 and DoD 6055.6-M. This is advanced training and will be provided to personnel, in pay grades E-4 through E-9, assigned to shore activity firefighting billets.

USMC personnel will be designated as Aircraft Firefighting and Rescue Specialist with MOS 7051 upon completion of the DoD school, course number X3ABR3E731-008. Personnel are assigned to various Marine Wing Support Squadrons and Marine Corps Air Stations and Facilities to support shore operations only.

An important aspect of firefighting training is drills, or readiness training to ensure the proficiency of ARFF personnel. NATOPS requires each firefighter to fight two fires per month to maintain proficiency. Environmental concerns have closed almost all Navy and Marine Corps Air Station “fire pits.” As a result, this training has been “waivered” for several years and readiness impacted. In recent years, propane fired mobile training devices have been developed by industry. PMA205 has contracted to purchase one Mobile Aircraft Firefighting Training Device (MAFTD) to meet an immediate fleet training requirement. This MAFTD will be managed by Naval Station, Norfolk to support them and all surrounding Naval activities. During the first year of operation PMA205, Naval Air Warfare Center, Aircraft Division (NAWCAD), Patuxent River, Maryland and fleet activities will be developing the Training Device Requirements Document (TDRD), evaluating this device and developing the performance specification and logistics package for an acquisition program in FY00. This acquisition will satisfy all Navy readiness training requirements.

**2. Physical Description.** As a non-hardware program, there are no physical components other than training facilities, devices, and equipment. The only new equipment planned is the MAFTD.

### **3. New Development Introduction**

**a. United States Marine Corps.** The USMC has established training at Goodfellow AFB using the DoD Firefighting Academy. Course X3ABR3E731-008 provides USMC personnel with the training required to meet requirements of MOS 7051. This course was Ready For Training (RFT) in October 1995. USMC Air Wing personnel that detach aboard amphibious class ships are required to attend the course listed in G.3.b.(1) below.

**b. United States Navy.** USN ARFF and Salvage Training Program includes several separate training courses that provide training in different aspects of aircraft firefighting, rescue, and salvage.

Note: The following courses are required by other operational and training requirements. These are described to show the relationship to ARFF courses supported by this NTSP. These courses are on-line and do not require introduction.

(1) Course J-495-0413, Shipboard Aircraft Firefighting, provides all personnel, both USN and USMC, that deploy aboard carrier or amphibious class ships with basic ARFF knowledge and skills. This training is provided at training activities around the world. The catastrophic nature of aircraft fires aboard aviation ships has led to a requirement for all aviation personnel and others associated with aircraft or assigned to the "Air Department" to attend this course prior to deployment. This course is managed through the Type Commanders (TYCOMs). The requirements for this course are met by the Aviation Boatswain's Mate Aircraft Handling Class A1, course C-822-2010, and graduates do not need to attend J-495-0413 to meet TYCOM requirements.

(2) Course J-495-0414, Non-Aviation Ship Aircraft Firefighting Team Training, provides Navy personnel with firefighting team training for ships such as frigates and destroyers. Again, the catastrophic nature of aircraft fires aboard ships has led to a requirement for all personnel associated with aircraft operations or assigned to the "Air Department" to attend this course prior to deployment. This course is managed through the TYCOM. This training is on-line and available through training activities world-wide.

(3) Course C-822-2010, Aviation Boatswain's Mate Aircraft Handling Class A1 includes 47 hours of aircraft firefighting training. This course is on-line at NATTC Pensacola.

Note: The following courses are fully supported by this NTSP, and the status of each course is indicated.

(4) Course C-780-2013, Aircraft Firefighting and Salvage Specialist, NEC 7011 is undergoing a major revision to eliminate all shore ARFF materials. When revised, this course will provide leadership skills training for shipboard ARFF and salvage operations. This modified course will be RFT at NATTC Pensacola in October 1998.

(5) Course C-780-2012, Aircraft Firefighting Shipboard Team Training, provides specialized, realistic team training for CV, CVN, or amphibious aviation ships. This course is on line at NATTC Pensacola.

(6) Course X3ABR3E731 006, Fire Protection Apprentice taught at Goodfellow AFB, will provide the Navy with trained, DoD certified airport firefighters. Upon completion of this training the individual will be awarded proposed NEC 70XX, and will be DoD certified Firefighter I and II, HAZMAT operations, and Airport Firefighter. This course is on-line at Goodfellow AFB, San Angelo, Texas. Student quotas will be available to the Navy in FY99 when adequate instructors are assigned and trained.

(7) Course C-780-2020, Carrier Deck Indoctrination and Firefighting is Computer Based Training (CBT), using Interactive Courseware (ICW), developed to supplement

existing school house firefighting curricula and for use on CVs and CVNs as "on board" training. This system provides training on command organization and responsibilities, extinguishing agents and equipment, HAZMAT and flammable materials, flight deck layout and personnel, firefighting systems and equipment operation, safety equipment and procedures, and firefighting, rescue, and salvage techniques specific to CV and CVN class ships. The system also provides student testing and tracking, using a Computer Managed Instruction (CMI) program, allowing the system's administrator to assign students to courses, record each student's test scores, track completed lessons or modules, and print reports on student activity. The goals of this system are to provide ABH personnel with occupational and safety training both in the school house environment and aboard CVs and CVNs, and provide all Air Department personnel with firefighting awareness and safety training. This training has been introduced into Airman Apprentice training at Naval Training Center Great Lakes, Illinois; all AB class "A" and "C" Schools at NATTC, Pensacola, Florida; and each CV and CVN in the fleet.

All components of this computer system are commercial off-the-shelf hardware consisting of an IBM Compatible Pentium® Central Processing Unit (CPU) with a minimum 1000 Megabyte (MB) hard drive storage, 16 MB Random Access Memory (RAM), 3.5" floppy drive, keyboard, mouse, 8X (or better) Compact Disk Read Only Memory, video card with 2 MB video RAM, graphics card, and audio card. The authoring system used to develop the training is Microsoft Visual C++™.

(8) A follow-on program is planned when funding becomes available. The Amphibious Ship CBT will provide initial and refresher training with testing on flight deck personnel, markings, firefighting equipment, firefighting organization, HAZMAT, helicopter and Harrier flight operations, and salvage. Upon completion of the development and validation of this ICW software system, hardware acquisition and delivery will be accomplished.

**c. Readiness Training (Drills).** All USN and USMC firefighting activities are required by NATOPS to drill to maintain proficiency. A minimum of two live fire drills are required for each firefighter each month. Most of the training sites where this training was performed have been closed due to environmental constraints. There are several activities that have been able to build propane fired training facilities. These have a large price tag, including Military Construction (MILCON), that has hindered other activities in acquiring these facilities. An affordable, environmental friendly solution is available and the Navy (PMA205) is progressing with an acquisition program to field a propane fired MAFTD. PMA205 is under contract to purchase a MAFTD that will meet a immediate training shortfall for naval aviation activities in the Norfolk, Virginia area. The intention is to take the training system directly to the activity requiring training, set up and be ready for use in a short period of time. This will eliminate MILCON funding requirements for individual activity training facilities.

**4. Significant Interfaces.** This training has demonstrated a significant impact on the environment, especially in areas of ground water and air contamination. In this regard, Environmental Protection Agency (EPA) requirements at the local, state, and federal levels must be considered. The most effective way ground water contamination can be suppressed is by draining firefighting facilities into large tanks with separators for reutilization, or collecting and

disposing into the local sewer system. Sewage systems have a maximum quantity, in Parts Per Million, of Aqueous Film Forming Foam (AFFF) that can be processed. This must be carefully monitored by training activities.

The Navy is working with the other services and the Federal Aviation Administration to find trainer alternatives, fuel alternatives, and smaller percentages of AFFF for existing and future trainers to lessen environmental impacts and continue to provide realistic training.

The use of propane for readiness training (drills) allows activities to fight training fires with water only. The effects on both water and air for this type Training Device (TD) are in keeping with EPA restrictions for the federal government and Virginia. Each state and local area where the Navy anticipated using the MAFTD will require state and local community EPA approval.

**5. New Features, Configurations, or Material.** During the transition of training devices from NATTC Millington to Pensacola, they were fitted with enhanced smoke abatement equipment to reduce smoke and hydrocarbon emissions. These trainers are in compliance with current Florida (state and local) EPA guidelines.

Firefighting vehicles and other agent application devices used in training are the same as those found on aviation ships and at shore activities. Aircraft, engine, aircraft debris, ordnance, and running fuel fire mock-ups with remote controls are used for practice and testing of student skills. Wind generating units are used to simulate actual flight deck environmental conditions.

Salvage training will use the same aircraft and equipment found on ships and at shore facilities to train personnel in salvage fundamentals, equipment operation, as well as analysis skills for supervisors.

Each student is trained in the proper use and care of specialized personal firefighting, rescue, and salvage equipment. All training evolutions are accomplished wearing proper gear required for safe firefighting, rescue, and salvage operations.

The MAFTD will provide an effective tool for fire chiefs and crash boatswains to use in drilling crash crews and other personnel, improving and maintaining firefighting readiness to an acceptable level as required by NATOPS.



## H. CONCEPTS

**1. Operational Concept.** Current crash, rescue, and salvage operational procedures are established by the respective NATOPS manuals. During all flight operations ARFF personnel are in an immediate response posture. Ashore, this means ARFF equipment is manned and ready for immediate response from a position on the airfield that provides access to all aircraft operational areas, including runways. This is commonly known as the “hard stand.” This posture is maintained whenever aircraft are operating at, or in the immediate airfield vicinity. ARFF equipment is strategically placed on the flight deck and manned during flight operations aboard carrier and amphibious ships. On aviation capable ships, fire hoses are manned around the flight deck during flight operations.

The primary mission of ARFF personnel, in the event of an aircraft crash, is rescue. Secondary to this, they extinguish any fires, try to minimize fire damage to the aircraft, other aircraft or equipment close by. Aboard ship, ARFF personnel must also consider damage control and prevention to the ship. Their last mission is to restore operational capability to the air field, or ship’s flight deck, and salvage the aircraft. These functions are essential to the continued operational capability of any Navy aviation activity ashore or afloat.

**2. Maintenance Concept.** This is a non-hardware program and, therefore, has no specific maintenance requirements. All firefighting equipment assigned to training facilities is maintained per existing directives for the equipment under the Planned Maintenance System in both surface and aviation communities. These include Naval Sea Systems Command, NAVAIRSYSCOM, and National Fire Protection Agency publications, regulations, and directives.

The maintenance of NATTC firefighting TDs is accomplished through a Contractor Operation and Maintenance Support contract. The maintenance program for the MAFTD will be included when developed.

**3. Manning Concept.** The manning requirements for aviation ships is contained in the CV and CVN Ship Manpower Document (SMD) and in each amphibious class SMD. Shore facility manning is based on each command’s specific requirements. Many shore activities have firefighting services provided by the Federal Fire Service (civil servants) under NAVFAC. These civil servant billets will not be identified in this NTSP. Those activities where Navy ABH personnel are assigned have been carefully screened. Manpower is based on the equipment assigned and the hours of operation applying the recognized staffing standard provided in OPNAVINST 1000.16G.

The billet structure for Navy units will designate specific ABH personnel as Aircraft Firefighting and Salvage Specialists, NEC 7011, afloat, and Airport Firefighter, NEC 70XX, ashore. There are naval officer billets related to this program on each class aviation ship and at several shore activities. The NOBCs 6310 (Flight Deck Officer) and 7310 (Crash and Salvage Officer) are related to this program.

When the Navy has established the shore based firefighting NEC and implements the supporting training, some benefits may be realized by combining, or redistributing Federal Fire Service civilian and shore based ABH firefighters. These benefits could include reduced Permanent Change of Station costs, better “home porting” opportunities for ABH personnel, and reduced supervisory infrastructure. Further analysis will be conducted.

As a result of program requirements, the NEC 7011 description of duties will be changed to read: “Performs duties as team leader during shipboard aircraft fire and salvage evolutions. Conducts aircraft fire and salvage training activities for the ship. Performs preoperational inspections and operates shipboard aircraft firefighting systems and salvage equipment.”

Each CV and CVN will have 17 ABHs assigned with NEC 7011. Each Amphibious Assault Ship (General Purpose) (LHA), Amphibious Assault Ship (Multi-Purpose) (LHD), and Amphibious Assault Ship (Helicopter) (LPH) (the USS Inchon has been redesignated as a Mine Countermeasures Support Ship (MCS) will have 11 ABHs assigned with NEC 7011. Amphibious Transport Docks (LPDs) will have four ABHs assigned with NEC 7011. Each Amphibious Command Ship (AGF) will have one ABH assigned with NEC 7011. Current total 7011 NEC requirements are 401 shipboard billets, and 69 staff/instructor (shore) billets, which includes instructor billets for shipboard aircraft firefighting at the various Fleet Training Centers (FTCs) world-wide. Table I-1 lists NEC 7011 total requirements by ship. Table I-2 lists the shore and staff activities requiring NEC 7011. In addition, one officer billet with NOBC 6310 and 7310 should receive this same level of aircraft firefighting training prior to assignment to an aircraft carrier, amphibious ship, or shore firefighting activity. Currently there is no specific formal training for these officers.

Shipboard Crash and Salvage Teams will consist of 24 persons, a minimum of five ABHs with NEC 7011 and up to 19 others for CV and CVNs; 19 persons, a minimum of four ABHs with NEC 7011 and up to 15 others for LPH, MCS, LHA, and LHD ships. LPD ships require four ABHs, two with NEC 7011; and AGF ships require four ABHs, one with NEC 7011. These last two class ships do not have Crash and Salvage Teams assigned. In the event of an incident, the ABH personnel aboard would lead the firefighting, rescue, and salvage effort. Table I-3 lists key enlisted positions aboard aircraft carriers and amphibious warfare ships requiring NEC 7011.

NEC 70XX will be established and the description of duties will read: “Performs duties as a firefighting, rescue, and salvage specialist aboard Naval Air Stations (NAS), Facilities and outlying fields. Conducts or directs rescue, firefighting and salvage operations. Performs preoperational inspections and operates shore-based aircraft firefighting systems and salvage equipment. Sets up and directs firefighting training including live fire drills”. This shore-based NEC has a total billet requirement of 379, including 12 instructors at Goodfellow AFB. There are many activities that will require changes in existing billet titles and NEC requirements. There were only a few activities without adequate numbers of ABH personnel assigned. ABH, 70XX billet requirements are listed in Table I-4. This table includes the equipment manned, hours of operation for the air field or facility, and total personnel requirements.

USMC manning for MOSs 7051 and 7002 is currently established by approved Tables of Organization and will not be detailed in this NTSP. MOS 7051 training is on-line, providing qualified replacement personnel for vacated positions, due to normal attrition.

**4. Training Concept.** Training for this program is multi-faceted. It is essential for the Navy and USMC to ensure all aviation personnel deployed on aviation and aviation capable ships have had some aircraft firefighting training. Personnel that are the leaders and supervisors must have additional training to perform their duties. Crash crews that will initially respond to an aircraft fire must have additional team training to ensure mission success. Ashore, there are additional, as well as different, knowledge and skill requirements that must be addressed through specific training. The following provides the Navy and USMC with necessary training to accomplish this critical mission.

**a. Initial Training**

(1) **USMC.** USMC instructors were provided initial training in FY95, during establishment of USMC training at the DoD Firefighting Academy, Goodfellow AFB.

(2) **USN.** All initial training for Navy courses C-822-2010, C-780-2012, and C-780-2013 was completed prior to FY92. The following initial training will be provided:

<b>Title .....</b>	<b>Fire Protection Apprentice (Shore-Based Airport Firefighter)</b>
Description .....	Provides navy instructor personnel initial training.
Location .....	Goodfellow AFB, San Angelo, TX
Length .....	93 days
RFT date .....	FY99
TTE/TD .....	NA
Prerequisites .....	ABH2 or above (waiverable to ABH3); physically qualified.

This is an Air Force course that is on-line. The Navy intends to send ABH personnel to this Air Force run course on a quota basis. The only requirements to be met by the Navy are to provide adequate instructors to cover the Navy throughput, and a \$1340.00 per student cost.

<b>Title .....</b>	<b>ABH Shipboard Advanced Training</b>
CIN .....	C-780-2013 (revised course)
Description .....	Provides the training and technology required to direct aircraft rescue and firefighting parties and salvage operations aboard aircraft carriers or amphibious aviation ships.

Location .....	NATTC Pensacola
Length .....	32 days
RFT date .....	10/98
Source rating .....	ABH
Skill identifier.....	NECs 7011
TTE/TD .....	See section IV
Prerequisites .....	Career designated ABH personnel, E-4 through E-9, that have completed fleet training course J-495-0413 or equivalent.

Note: This is a revision of the existing course directed by Maintenance Training Requirements Review (MTRR) action item C-780-2013 #3. This same course is listed in the follow-on training section as it exists.

## **b. Follow-on Training**

(1) **USMC.** The Marine Corps currently uses the following courses of instruction to meet all formal training requirements. All courses are taught at Goodfellow AFB and are on-line.

X3ABR3E731-005	Fire Protection Apprentice
X3AZR3E771-015	Fire Inspector School
X3AZR3E771-012	HAZMAT, Technician (Train the Trainer) School
X3AZR3E751-003	Advanced Rescue School

## **(2) USN**

<b>Title .....</b>	<b>Aviation Boatswain Mate Aircraft Handling (ABH) Class A1 School</b>
CIN .....	C-822-2010
Description .....	Provides selected Navy personnel the required knowledge and skills to become an ABH. Included in this training is 47 hours of ARFF training.
Location .....	NATTC Pensacola
Length .....	28 days
RFT date .....	1/97
Source rating .....	None. Upon completion, will be designated ABH.
Skill identifier.....	None
TTE/TD .....	See section IV
Prerequisite .....	Physically qualified

**Title..... ABH Advanced Training**  
**CIN..... C-780-2013**  
**Description.....** Provides the training and technology required to direct aircraft rescue and firefighting parties and salvage operations ashore and afloat.  
**Location..... NATTC Pensacola**  
**Length..... 32 days**  
**RFT date..... On line**  
**Source rating..... ABH**  
**Skill identifier..... NECs 7011**  
**TTE/TD..... See section IV**  
**Prerequisites.....** Career designated ABH personnel, E-4 through E-9, that have completed fleet training course J-495-0413 or equivalent.

**Title ..... Aircraft Firefighting Shipboard Team Training**  
**CIN ..... C-780-2012**  
**Description .....** Provides team training to crash and salvage teams on the effective use of shipboard firefighting equipment through performance of specialized aircraft firefighting and salvage drills conducted on the carrier deck training facility.  
**Location ..... NATTC Pensacola**  
**Length ..... 5 days**  
**RFT date ..... On line**  
**Source rating..... ABH**  
**Skill identifier..... NECs 7011**  
**TTE/TD ..... See section IV**  
**Prerequisites .....** Fleet Training Course J-495-0413 or Aviation Boatswain's Mate Aircraft Handling Class A1, C-822-2010, and assignment to an aircraft crash and salvage unit aboard a carrier or amphibious aviation ship.

**Note:** Team training is required once every 24 months, or when there has been a 40% turnover in crash crew personnel.

**Title ..... Fire Protection Apprentice (Shore-based)**  
**CIN ..... X3ABR3E731 006**  
**Description .....** Provides ABH personnel with the skills required to be an effective, Certified Airport Firefighter.

Location ..... Goodfellow AFB  
Length ..... 93 days  
RFT date ..... 1st Qtr FY99  
Source rating ..... ABH  
Skill identifier..... NEC 70XX  
TTE/TD ..... Air Force school, all equipment is available.  
Prerequisites..... ABH3, (not waiverable) 3 yr. obligated service after school completion and physically qualified.

**c. Explosive Ordnance Disposal Training.** NA.

**d. Selected Reserve (SELRES) Training.** No SELRES participation is planned.

**e. Student Profiles.**

<b>SKILL IDENTIFIER</b>	<b>PREREQUISITE SKILL AND KNOWLEDGE REQUIREMENTS</b>
ABH - 7011	° C-822-2010, Aviation Boatswain Mate, Aircraft Handling Class 1A School ° or, J-495-0413, Shipboard A/C Firefighting ° ABH 3 or higher
ABH - 70XX	° C-822-2010, Aviation Boatswain Mate, Aircraft Handling Class 1A School (or equivalent) ° ABH3 or higher

**f. Training Pipelines.** Each NEC producing course is a stand alone course.

## **I. ON BOARD (IN-SERVICE) TRAINING**

**1. Proficiency or Other Training Organic to the New Development.** On board proficiency training will be conducted to improve and enhance the capabilities of individuals. This will be accomplished through drills, informal training, and the CBT currently being developed. The CV and CVN aircraft firefighting ICW trainer will provide refresher training that will enhance safety and emergency response by firefighting personnel.

**Title .....** **Shipboard Aircraft Firefighting**  
**CIN .....** J-495-0413  
**Description .....** Provides all flight deck and selected aviation maintenance personnel (V-1 or V-3 Division) with basic shipboard aircraft firefighting skills.  
**Locations .....** Various, refer to Table I-1 for locations.  
**Length .....** 2 days  
**RFT date .....** On line  
**Skill identifier .....** None  
**Prerequisites .....** Physically qualified and assigned to a carrier (CV or CVN), or amphibious ship (LPH, MCS, LHA, or LHD).

**Title .....** **Shipboard Helicopter Firefighting Training**  
**CIN .....** J-495-0414  
**Description .....** To exercise an experienced, organized firefighting team assigned to an LPD or smaller aircraft capable ship. Meets OPNAV damage control Proficiency Level III requirements.  
**Locations .....** Various, refer to Table I-1 for locations.  
**Length .....** 1 day  
**RFT date .....** On line  
**Skill identifier .....** None  
**Prerequisites .....** Physically qualified, assigned to a helicopter firefighting team, and J-495-0413.

**Title .....** **Carrier Deck Indoctrination and Firefighting CBT Training**  
**CIN .....** C-780-2020  
**Description .....** To exercise individual skills and knowledge for shipboard ARFF.  
**Locations .....** NATTC Pensacola, NTC Great Lakes (AA School) and each CV/CVN.  
**Length .....** Self-paced  
**RFT date .....** On-line  
**Skill identifier .....** None  
**Prerequisite .....** None

<b>Title .....</b>	<b>Amphibious Aviation Shipboard Firefighting CBT Training</b>
CIN .....	TBD
Description .....	To exercise individual skills and knowledge for shipboard ARFF.
Location .....	NATTC Pensacola and each amphibious aviation ship
Length .....	Self paced
RFT date .....	TBD
Skill identifier .....	None
Prerequisite .....	None

The aviation training process (training continuum) introduces CBT throughout the Navy technical training process. The application and adoption of recent advances in computer hardware and software technology have enabled CBT with its basic elements of CMI, Computer Aided Instruction (CAI), and ICW to be integrated into the training continuum and provide essential support for standardizing technical training.

<b>Title .....</b>	<b>Firefighting Drills</b>
CIN .....	NA.
Description .....	To exercise individual and team skills in fighting actual fires with operational ARFF equipment.
Locations .....	At each ARFF activity
Length .....	As required
RFT date .....	7/00
Skill identifier .....	None
Prerequisite .....	None

**Note:** The MAFTD will be used to provide this proficiency training to firefighting organizations. The NATOPS requires two live fires per month to maintain this proficiency.

**2. Personnel Qualification Standards.** Naval Education Training (NAVEDTRA) 43426-1 supports shipboard Air Department and Firefighting training requirements and has been revised. NAVEDTRA 43517 of August 1992 supports shore-based Air Department and firefighting training. This Personnel Qualification Standard package is scheduled for review and should be updated to reflect the DoDINST 6055.6 requirements, as well as other deficient areas, such as inclusion of Self-Contained Breathing Apparatus.

**3. Other On Board or In-service Training Packages.** The designated Aircraft Firefighting and Salvage Specialist (NEC 7011) will enhance on board continuation training of



ships company and air wing personnel through use of crash drills and other informal On-the-Job Training (OJT) per NATOPS Manual NAVAIR-00-80R-14, and local command instructions. DoD Certified Airport Firefighters (NEC 70XX) will enhance on board continuation training of station personnel through use of crash drills, formal and informal OJT per NATOPS Manual NAVAIR-00-80R-14, and local command instructions:

There are many related courses of instruction available through the Air Force Extension Course Institute. A catalog of courses is available for the DoD Fire Protection Certification Program.

Marine Corps on board training is based on the current series of MCO P4790.12, Individual Training Standards System and Marine Training Management Evaluation Program (MATMEP). This program is designed to meet all Marine Corps training requirements. It is a performance-based, standardized, level-progressive, documentable, training management and evaluation program. It identifies and prioritizes task inventories by MOS through a front-end analysis process that identifies task, skill, and knowledge requirements of each MOS.

## **J. LOGISTICS SUPPORT**

**1. Manufacturer and Contract Numbers.** Firefighting facilities at NATTC Pensacola were built under MILCON project P-662. This project was completed September 1996 and ready for Navy occupancy during the first quarter of FY97. The Carrier deck aircraft firefighting TDs (mock-ups and airboat engines) were developed by Hughes Associates, Incorporated and delivered in September 1990. These devices were refurbished and relocated from NATTC Millington to NATTC Pensacola during the first quarter of FY97. The MAFTD home based in Norfolk will be delivered under contract N00189-97-C-0139.

None of the aircraft used as technical training equipment at NATTC Millington were moved to Pensacola. The Chief of Naval Education and Training (CNET) has requested replacement assets to be delivered to NATTC Pensacola. The aircraft listed in section IV support the courses in this NTSP. CNET has requested additional assets to support other courses, both related and unrelated, offered at NATTC Pensacola.

**2. Program Documentation.** Existing technical manuals required to support Aircraft Rescue and Firefighting Training Program courses taught at NATTC Pensacola are listed below. All manuals are provided by Naval Air Technical Services Facility, Philadelphia, Pennsylvania.

<b>MANUAL TITLE</b>	<b>MANUAL NUMBER</b>
NATOPS U.S. Navy Firefighting and Rescue Manual	NAVAIR-00-80R-14
NATOPS U.S. Navy Aircraft Emergency Rescue Information Manual	NAVAIR-00-80R-14-1

NATOPS U.S. Navy Aircraft Crash and Salvage Operations Manual (Afloat)      NAVAIR-00-80R-19

NATOPS U.S. Navy Aircraft Crash and Salvage Operations Manual (Shore)      NAVAIR-00-80R-20

**3. Technical Data Plan.** All operations, maintenance, and technical publications are available for the existing ARFF program.. New requirements for MAFTD will be published in a future update to this NTSP.

**4. Test Sets, Tools, and Test Equipment.** All special tools and test equipment used to support existing ARFF maintenance requirements are available. Much of this equipment is commercial with commercial support. Those items peculiar to the Navy have their own logistics support in place. The MAFTD is being procured without special tool or equipment requirements.

**5. Repair Parts.** Spare parts for commercial equipment are procured locally by the command. Repair parts for Navy peculiar equipment are procured through the Navy supply system. Spare parts for the flight deck trainers and training facilities are procured through existing commercial operations and maintenance contracts.

**6. Human Systems Integration.** A human system integration plan will not be developed for the ARFF program.

## **K. SCHEDULES**

**1. Installation and Delivery Schedules.** MILCON project P-662 includes the school house, shore ARFF facility, carrier ARFF facility, salvage training area, and fire mat training mockup. This project was completed in September 1996.

### **2. Ready For Operational Use Schedule.**

a. The NATTC Pensacola facilities were ready for operational use in January 1997.

b. The MAFTD for Norfolk Naval Station will be ready for operational use in March 1998.

**3. Time Required to Install at Operational Sites.** NA.

**4. Foreign Military Sales and Other Source Delivery Schedule.** NA.

**5. Training Device and Technical Training Equipment Delivery Schedule.**

a. Each of the following devices were removed from NATTC Millington, refurbished and installed at NATTC Pensacola as indicated:

<b>TD</b>	<b>REMOVED</b>	<b>INSTALLED</b>
Aircraft Mockup	Oct. 1996	Jan. 1997
Debris Pile	Oct. 1996	Jan. 1997
Cascading Fuel	Oct. 1996	Jan. 1997
Engine Mockup	Oct. 1996	Jan. 1997

b. CBT devices were delivered as follows:

Systems were delivered to each CV and CVN ship during third and fourth quarter FY97. NATTC Pensacola and Naval Training Center (NTC) Great Lakes have the computer assets to run the CBT program and were provided required software.

Amphibious class systems will be delivered to NATTC Pensacola, NTC Great Lakes, and to each amphibious class ship when developed.

c. MAFTD systems will be delivered as follows:

<b>LOCATION</b>	<b>DATE</b>	<b>QTY</b>
Naval Station (NAVSTA) Norfolk	March 1998	1

The following are only preliminary estimates that will be refined in future updates of this document:

<b>LOCATION</b>	<b>DATE</b>	<b>QTY</b>
Naval Air Station (NAS) Jacksonville	May 2000	1
NAS North Island	May 2000	2
NAVSTA Norfolk	June 2000	1
NAS Whiting Field	June 2000	1
NAS Corpus Christi	June 2000	1
NAS Whidbey Island	July 2000	1
Commander, Naval Forces Europe	July 2000	1
Commander, Fleet Air Western Pacific	July 2000	1

**L. GOVERNMENT FURNISHED EQUIPMENT AND CONTRACTOR FURNISHED EQUIPMENT TRAINING REQUIREMENTS. NA.**

**M. RELATED NTSPs AND OTHER APPLICABLE DOCUMENTS**

<b>DOCUMENT OR NTSP TITLE</b>	<b>DOCUMENT OR NTSP NUMBER</b>	<b>PDA CODE</b>	<b>STATUS</b>
DoD Fire and Emergency Services	DoDINST 6055.6	USAF	Dec. 1994
DoD Fire and Emergency Services Certification Program	DoD 6055.6-M	USAF	Dec. 1995
Navy Firefighting Facility Manual (Ashore)	NAVFAC-P-1021	NAVFAC	Aug. 1992

[illegible]

USS Independence (CV-62) / 03362 (Decom FY98)	17
USS Kitty Hawk (CV-63) / 03363	17
USS Constellation (CV-64) / 03364	17
USS Enterprise (CVN-65) / 03365	17
USS Kennedy (CV-67) / 03367	17
USS Nimitz (CVN-68) / 03368	17
USS Eisenhower (CVN-69) / 03369	17
USS Vinson (CVN-70) / 20993	17
USS Roosevelt (CVN-71) / 21247	17
USS Lincoln (CVN-72) / 21297	17
USS Washington (CVN-73) / 21412	17
USS John C. Stennis (CVN-74) / 21847	17
USS Harry S. Truman (CVN-75) / 21853 (Comm FY98)	17
USS Ronald Reagan (CVN-76) (Comm FY02)	17
USS Raleigh (LPD-1) / 07170	4
USS Vancouver (LPD-2) / 07171	4
USS Austin (LPD-4) / 07175	4
USS Ogden (LPD-5) / 07176	4
USS Duluth (LPD-6) / 07177	4
USS Cleveland (LPD-7) / 07181	4
USS Dubuque (LPD-8) / 07182	4
USS Denver (LPD-9) / 07183	4
USS Juneau (LPD-10) / 07184	4
USS Shreveport (LPD-12) / 07195	4
USS Nashville (LPD-13) / 07196	4
USS Trenton (LPD-14) / 07200	4
USS Ponce (LPD-15) / 07201	4
USS Tarawa (LHA-1) / 20550	11
USS Saipan (LHA-2) / 20632	11
USS Belleau Wood (LHA-3) / 20633	11
USS Nassau (LHA-4) / 20725	11
USS Peleliu (LHA-5) / 20748	11
USS Guam (LPH-9) / 07178 (Decom FY98)	11
USS New Orleans (LPH-11) / 07202 (Decom FY98)	11
USS Inchon (MCS-12) / 20009	11
USS Wasp (LHD-1) / 21560	11
USS Essex (LHD-2) / 21533	11
USS Kearsarge (LHD-3) / 21700	11
USS Boxer (LHD-4) / 21808	11
USS Bataan (LHD-5) / 21879	11
USS LaSalle (AGF-12) / 07172	1
USS Corona (AGF-11) / 07194	1

**TABLE I-2**  
**SHORE / STAFF / INSTRUCTOR REQUIREMENTS FOR NEC 7011**

<b>ACTIVITY / UIC</b>	<b>NEC 7011 REQUIREMENT</b>
FTC Mayport / 10151	4
NAS Whidbey Island (Fire School) / 00620	3
FTC Norfolk / 61797	7
NAS Lemoore (Fire School) / 63042	6
FTC San Diego / 61690	5
NATTC Pensacola / 63093	33
COMNAVSURFLANT / 53825	1
COMNAVSURFPAC / 55236	1
COMPHIBGRU 3 / 52739	1
AFLOATTRAGRU PAC / 57062	3
AFLOATTRAGRU MID PAC / 57063	1
FTG WEST PAC / 57064	4

**TABLE I-3**  
**SHIP WATCH STATION REQUIREMENTS (NEC 7011)**

WATCH STATION TITLE		SHIP APPLICATION														
		<u>CV/CVN</u>			<u>LHD</u>			<u>LHA</u>			<u>MCS</u>			<u>LPD</u>		
		CONDITION			CONDITION			CONDITION			CONDITION			CONDITION		
	RATE	I	FQ	ASW	I	FQ	IA	I	FQ	IA	I	FQ	IA	I	FQ	IA
AV Boatswain's Mate	ABCM	X	X	X	X	X	X	X	X	X	X	X	X			
Flight Deck Chief	ABHC	X	X		X	X	X	X	X	X	X	X	X			
Flight Deck LPO	ABH1	X	X	X	X	X	X	X	X	X	X	X	X			
Fly One Petty Officer	ABH2	X	X	X	X	X	X	X	X	X	X	X	X			
Fly Two Petty Officer	ABH2	X	X	X	X	X	X	X	X	X	X	X	X			
Fly Three Petty Officer	ABH2	X	X	X												
LSE A/C Hand Director	ABH3										X	X	X			
LSE A/C Hand Director	ABH3										X	X	X			
Equip. Crew Supervisor	ABH2	X	X	X												
Crash & Salvage Chief	ABHC	X	X													
Crash & Slvg. Crewleader	ABH1/2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
P-16 or M-B-5 Driver	ABH3	X	X	X	X	X	X	X	X	X	X	X	X			
Forklift Operator	ABH3	X	X	X	X	X	X	X	X	X	X	X	X			
Crash Crane Operator	ABH3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Hangar Deck Chief	ABHC	X	X		X	X	X	X	X	X	X	X	X			
Hangar Deck LPO	ABH1	X	X	X	X	X	X	X	X	X	X	X				
Hgr Bay #1 Supervisor	ABH2	X	X	X												
Hgr Bay #2 Supervisor	ABH2	X	X	X												
Hgr Bay #3 Supervisor	ABH2	X	X	X												

**TABLE I-4  
REQUIREMENTS FOR NEC 70XX**

ACTIVITY/UIC	EQUIP	OP HRS	FIRE FTR	SUPR	FIRE INSP	DISP	TOT
NAS Oceana (Fentress) / 30774	2 ARFF 1000	24	23	2			25
NAS Pensacola (Choctaw) / 42093 & 47847	2 ARFF 1000	24	16	2		5	23
NAS Whiting / 42096	7 TAU	17	37	14		1	52
NAS Whiting (Barin)	1 TAU	17	5	1		1	7
NAS Whiting (Brewton)	1 TAU	12	5	1		1	7
NAS Whiting (Evergreen)	1 TAU	12	5	1		1	7
NAS Whiting (Harold)	1 TAU	8	4	1			5
NAS Whiting (Holley)	1 TAU	8	4	1			5
NAS Whiting (Pace)	1 TAU	8	4	1			5
NAS Whiting (Wolf)	1 TAU	8	4	1			5
NAS Whiting (Santa Rosa)	1 TAU	17	5	1		1	7
NAS Whiting (Saufley)	1 TAU	17	5	1		1	7
NAS Whiting (Silverhill)	1 TAU	8	4	1			5
NAS Whiting (Site 8)	1 TAU	8	4	1			5
NAS Whiting (Spencer)	2 TAU	8	8	2			10
NAS Whiting (Summerdale)	1 TAU	8	4	1			5
NAS Kingsville (Or Grove) / 30776	2 ARFF 1000	24	16	2			18
NAS Meridian (Joe Williams) / 42105	2 ARFF 1000	24	16	2			18
NAS Corpus Christi (Rkprt / 42094	1 ARFF 1000	8	4	1			5
NAS Rota / 62863	3 ARFF 1000	24	27	5			32
NAVSTA Guantanamo Bay / 60514	2 ARFF 1000 & 1 STRUCT	24	34			5	39
NAS Cecil Field (Pn Cstle) / 30504	1 BRUSH	8	6	1			6
NAS Sigonella / 62995	3 ARFF 1000	24	24	2			26
NAS Whidbey (Coopville)	2 ARFF 1000	24	16	2			
NSF Thurmont (Cmp David) / 0417A	1 ARFF & 1 STRUCT	24	12	1			13
NSO La Maddalina / 32960	NA	NA			1		1
ASU Bahrain	NA	NA			1		2
NAVMED Res Unit 3 Cairo / 39964	NA	NA			1		1
JMF St. Mawgan	NA	NA			1		1
NAVSUPACT Naples / 42128	NA	NA			2		2
Amphib Base Little Creek / 85630	1 ARFF & 1 STRUCT		11	1			12
NTTC Det Goodfellow AFB / 30921	SCHOOL	NA	11	1			12
<b>TOTAL</b>			288	51	6	16	379



## PART II - BILLET AND PERSONNEL REQUIREMENTS

### II.A. BILLET REQUIREMENTS

#### II.A.1.a. OPERATIONAL AND FLEET SUPPORT ACTIVITY ACTIVATION SCHEDULE

SOURCE: BUPERS 221C1

DATE: 9/5/97

ACTIVITY, UIC		PFYs	CFY98	FY99	FY00	FY01	FY02
<b>OPERATIONAL ACTIVITY SHIPS</b>		<b>NAVY</b>					
CV/CVN	see note	12	1	0	0	0	1
LHD	see note	5	0	0	0	0	0
LHA	see note	5	0	0	0	0	0
LPD	see note	13	0	0	0	0	0
LPH	see note	2	0	0	0	0	0
MCS	see note	1	0	0	0	0	0
AGF	see note	2	0	0	0	0	0
<b>TOTAL:</b>		40	1	0	0	0	1

Note: The above list reflects the operational ships that require personnel with NEC 7011 assigned. These have been established. Ship names, hull numbers, and UICs are listed in Table I-1 of this NTSP.

<b>FLEET SUPPORT ACTIVITY SHIPS</b>		<b>NAVY</b>					
COMNAVSURFLANT	53825	1	0	0	0	0	0
COMNAVSURFPAC	55236	1	0	0	0	0	0
COMFIBGRU 3	52739	1	0	0	0	0	0
<b>TOTAL:</b>		3	0	0	0	0	0

Note: The above list reflects shore staff activities the require NEC 7011. These have been established.

<b>OPERATIONAL ACTIVITY SHORE / OVERSEAS COMMANDS</b>		<b>NAVY</b>					
NAS Oceana (Fentress)	30774	1	0	0	0	0	0
NAS Pensacola (Choctaw)	42093	1	0	0	0	0	0
NAS Whiting (incl all OLFs)	42096	1	0	0	0	0	0
NAS Kingsville (OrGrove)	30776	1	0	0	0	0	0

## II.A.1.a. OPERATIONAL AND FLEET SUPPORT ACTIVITY ACTIVATION SCHEDULE

ACTIVITY, UIC	PFYs	CFY98	FY99	FY00	FY01	FY02
NAS Meridian (Joe Williams) 42105	1	0	0	0	0	0
NAS Corpus Christi (Rockport) 42094	1	0	0	0	0	0
NAS Rota 62863	1	0	0	0	0	0
NAVSTA Guantanamo Bay 60514	1	0	0	0	0	0
NAS Cecil Field (Pine Castle) 30504	1	0	0	0	0	0
NAS Sigonella 62995	1	0	0	0	0	0
NSF Thurmont (Cmp David) 0417A	1	0	0	0	0	0
NAS Whidbey (C P) 00620	1	0	0	0	0	0
Amphibious Base Little Creek 85630	0	0	1	0	0	0
NAVSTA Guantanamo Bay 60514	1	0	0	0	0	0
<b>TOTAL</b>	14	0	1	0	0	0

Note: The above list reflects the operational shore activities that require ABH personnel with NEC 70XX. These activities currently have ABH personnel assigned with NEC 7011 or 0000. Currently, Amphibious Base Little Creek has Damage Control (DC) personnel assigned to firefighting billets.

### FLEET SUPPORT ACTIVITY NAVY SHORE/ OVERSEAS COMMANDS

NAVMED Res Unit 3 Cairo 39964	1	0	0	0	0	0
NSO La Maddalina 32960	1	0	0	0	0	0
ASU Baharain	1	0	0	0	0	0
JMF St. Mawgan	1	0	0	0	0	0
NAVSUPACT Naples 42128	1	0	0	0	0	0
<b>TOTAL:</b>	5	0	0	0	0	0

Note: The above list reflects shore and staff activities that require NEC 70XX. The current billet requires ABH NEC 0000.

## II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT			BILLETS OFF ENL		DESIG RATING	PNEC/SNEC PMOS/SMOS
OPERATIONAL ACTIVITIES SHIP						
CV/CVN (12 total) ACDU	see note	see note	0	204	ABH	7011
LHD (5 total) ACDU	see note	see note	0	55	ABH	7011
LHA (5 total) ACDU	see note	see note	0	55	AD	7011
LPH (2 total) ACDU	see note	see note	0	22	ABH	7011
MCS ACDU	see note	see note	0	11	ABH	7011
LPD (13 total) ACDU	see note	see note	0	52	ABH	7011
AGF (2 total) ACDU	see note	see note	0	2	ABH	7011

Note: Manpower has been drawn from existing ABH billets. There has been no increase in ships manpower as a result of this program. All billets are currently in place. All ships names, hull numbers, and UICs are listed in Table I-1 of this NTSP.

## **FLEET SUPPORT ACTIVITIES** **SHIP**

COMNAVSURFLANT ACDU	53825	PFY	0	1	ABH	7011
COMNAVSURFPAC ACDU	55236	PFY	0	1	ABH	7011
COMFIBGRU 3 ACDU	52739	PFY	0	1	ABH	7011
<b>ACTIVITY TOTAL:</b>			0	404		

Note: Manpower has been drawn from existing ABH billets. There has been no increase in manpower as a result of this program.

## II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	ENL	DESIG RATING	PNEC/SNEC PMOS/SMOS
<b>OPERATIONAL ACTIVITIES</b>				
<b>SHORE / OVERSEAS COMMANDS</b>				
NAS Oceana (Fentress) 30774 FY99 ACDU	1 0	0 25	7310 ABH	70XX
NAS Pensacola (Choctaw) 42093 FY99 ACDU	1 0	0 23	7310 ABH	70XX
NAS Whiting 42096 FY99 ACDU	1 0	0 132	7310 ABH	70XX
NAS Kingsville (Or Grv) 30776 FY99 ACDU	1 0	0 18	7310 ABH	70XX
NAS Meridian (J Wm.) 42105 FY99 ACDU	1 0	0 18	7310 ABH	70XX
NAS Corpus (Rockport) 42094 FY99 ACDU	0 0	0 5	ABH	70XX
NAS Rota 62863 FY99 ACDU	1 0	0 32	7310 ABH	70XX
NAVSTA Guantanamo 60514 FY99 ACDU	0 0	0 39	ABH	70XX
NAS Cecil Fld (Pn Cast) 30504 FY99 ACDU	0 0	0 6	ABH	70XX
NAS Sigonella 62995 FY99 ACDU	1 0	0 32	7310 ABH	70XX
NAS Whidbey (C. P.) 00620 FY99 ACDU	1 0	0 18	ABH	70XX
NSF Thurmont (Cmp Dvd) 0417A FY99 ACDU	1 0	0 13	7310 ABH	70XX

## II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	ENL	DESIG RATING	PNEC/SNEC PMOS/SMOS
<b>OPERATIONAL ACTIVITIES</b>				
<b>SHORE / OVERSEAS COMMANDS</b>				
Amphib Base Little Crk 85630 FY99 ACDU	0 0	0 12	ABH	70XX
<b>FLEET SUPPORT ACTIVITIES</b>				
<b>SHORE / OVERSEAS COMMANDS</b>				
NSO LaMaddalina 32960 FY99 ACDU	0 0	0 1	ABH	70XX
ASU Baharain 63001 FY99 ACDU	0 0	0 1	ABH	70XX
NAVMED Res Unit Cairo 39664 FY99 ACDU	0 0	0 1	ABH	70XX
JMF St. Mawgan 48389 FY99 ACDU	0 0	0 1	ABH	70XX
NAVSUPACT Naples 42128 FY99 ACDU	0 0	0 2	ABH	70XX

Note: Information for the billet requirements for St Mawgan, and Bahrain were provided by the CINCLANT Fire Marshal. ABH billets could not be found for these activities within the ABH billet files.

**ACTIVITY TOTAL:** 9 379

Note: Enlisted manpower will be drawn from existing ABH/0000 and ABH/7011 billets except for NAS Whidbey Is., NSF Thernont, and Amphib Base Little Creek. These three activities are currently undermanned or have other ratings filling these ABH/70XX billets. All other activity ABH billets are currently in place. Officer manpower is in place.

## II.A.1.c. TOTAL BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

DESIG RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY98		FY99		FY00		FY01		FY02	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
<b>OPERATIONAL ACTIVITIES</b>													
<b>SHIP</b>													
CV/CVN (12 ea.)		ACDU											
ABH	7011	0	204	0	0	0	0	0	0	0	0	0	0
LHD (5 ea.)		ACDU											
ABH	7011	0	55	0	0	0	0	0	0	0	0	0	0
LHA (5 ea.)		ACDU											
ABH	7011	0	55	0	0	0	0	0	0	0	0	0	0
LPH (2 ea.)		ACDU											
ABH	7011	0	22	0	0	0	0	0	0	0	0	0	0
MCS		ACDU											
ABH	7011	0	11	0	0	0	0	0	0	0	0	0	0
LPD (13 ea.)		ACDU											
ABH	7011	0	52	0	0	0	0	0	0	0	0	0	0
AGF (2 ea.)		ACDU											
ABH	7011	0	2	0	0	0	0	0	0	0	0	0	0
<b>FLEET SUPPORT ACTIVITIES</b>													
<b>SHIP</b>													
COMNAVSURFLANT		ACDU											
ABH	7011	0	1	0	0	0	0	0	0	0	0	0	0
COMNAVSURFPAC		ACDU											
ABH	7011	0	1	0	0	0	0	0	0	0	0	0	0
COMPHIBGRU 3		ACDU											
ABH	7011	0	1	0	0	0	0	0	0	0	0	0	0
<b>SUMMARY TOTAL</b>													
<b>OPERATIONAL ACTIVITY - ACDU</b>													
<b>SHIP</b>													
		0	401	0	0	0	0	0	0	0	0	0	0
<b>FLEET SUPPORT ACTIVITY - ACDU</b>													
<b>SHIP</b>													
		0	3	0	0	0	0	0	0	0	0	0	0
<b>OPERATIONAL ACTIVITIES</b>													
<b>SHORE / OVERSEAS COMMANDS</b>													
NAS Oceana (Fentress)		ACDU											
7310		1	0	0	0	0	0	0	0	0	0	0	0
ABH	70XX	0	25	0	0	0	0	0	0	0	0	0	0

# **I.A.1.c. TOTAL BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES**

DESIG RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY98		FY99		FY00		FY01		FY02	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
NAS Pensacola (Choctaw)		ACDU											
7310		1	0	0	0	0	0	0	0	0	0	0	0
ABH	70XX	0	23	0	0	0	0	0	0	0	0	0	0
NAS Kingsville (Or Grove)		ACDU											
7310		1	0	0	0	0	0	0	0	0	0	0	0
ABH	70XX	0	18	0	0	0	0	0	0	0	0	0	0
NAS Meridian (J Williams)		ACDU											
7310		1	0	0	0	0	0	0	0	0	0	0	0
ABH	70XX	0	18	0	0	0	0	0	0	0	0	0	0
NAS Corpus Christi (Rockport)		ACDU											
ABH	70XX	0	5	0	0	0	0	0	0	0	0	0	0
NAS Rota		ACDU											
7310		1	0	0	0	0	0	0	0	0	0	0	0
ABH	70XX	0	31	0	0	0	0	0	0	0	0	0	0
NAVSTA Guantanamo Bay		ACDU											
7310		0	0	0	0	0	0	0	0	0	0	0	0
ABH	70XX	0	35	0	0	0	0	0	0	0	0	0	0
NAS Sigonella		ACDU											
7310		1	0	0	0	0	0	0	0	0	0	0	0
ABH	70XX	0	26	0	0	0	0	0	0	0	0	0	0
NAS Cecil Field (Pine Castle)		ACDU											
ABH	70XX	0	6	0	0	0	0	0	0	0	0	0	0
NAS Whidbey Is (Coopville)		ACDU											
ABH	70XX	0	11	0	7	0	0	0	0	0	0	0	0
NSF Thurmont (Cmp David)		ACDU											
7310		1	0	0	0	0	0	0	0	0	0	0	0
ABH	70XX	0	5	0	7	0	0	0	0	0	0	0	0
Amphib Base Little Creek		ACDU											
ABH	70XX	0	0	0	12	0	0	0	0	0	0	0	0
NAS Whiting Field		ACDU											
7310		1	0	0	0	0	0	0	0	0	0	0	0
ABH	70XX	0	132	0	0	0	0	0	0	0	0	0	0

Note: NAS Whiting Field has consolidated all outlying fields under UIC 42096. This includes UICs 60234, 60237 and 30784. Manpower reviews were accomplished at NAS Whiting and NAS Oceana (OLF Fentress) during FY97 and the resulting changes are reflected in this NTSP.

**I.A.1.c. TOTAL BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES**

DESIG RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY98		FY99		FY00		FY01		FY02	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
<b>FLEET SUPPORT ACTIVITY</b>													
<b>SHORE / OVERSEAS COMMANDS</b>													
NSO La Maddalina ABH	70XX	ACDU 0	1	0	0	0	0	0	0	0	0	0	0
ASU Baharain ABH	70XX	ACDU 0	1	0	0	0	0	0	0	0	0	0	0
NAVMED Res Unit 3 Cairo ABH	70XX	ACDU 0	1	0	0	0	0	0	0	0	0	0	0
JMF St. Mawgan UK ABH	70XX	ACDU 0	1	0	0	0	0	0	0	0	0	0	0
NAVSUPACT Naples ABH	70XX	ACDU 0	2	0	0	0	0	0	0	0	0	0	0
<b>SUMMARY TOTAL</b>													
<b>OPERATIONAL ACTIVITIES ACDU</b>													
<b>SHORE / OVERSEAS COMMANDS</b>													
		9	347	0	26	0	0	0	0	0	0	0	0
<b>FLEET SUPPORT ACTIVITY ACDU</b>													
<b>SHORE / OVERSEAS COMMANDS</b>													
		0	6	0	0	0	0	0	0	0	0	0	0
<b>GRAND TOTAL</b>													
		9	353	0	26	0	0	0	0	0	0	0	0



## II.A.2.a. OPERATIONAL AND FLEET SUPPORT ACTIVITY DEACTIVATION SCHEDULE

SOURCE: PMA205

DATE: 9/5/97

ACTIVITY, UIC		PFYs	CFY98	FY99	FY00	FY01	FY02
OPERATIONAL ACTIVITY		NAVY					
USS Guam (LPH-9)	07178	0	1	0	0	0	0
USS New Orleans (LPH-11)	07202	0	1	0	0	0	0
USS Independence (CV-62)	03362	0	1	0	0	0	0
CV (TBD)	00000	0	0	0	0	0	1
<b>TOTAL:</b>		0	3	0	0	0	1

## II.A.2.b. BILLETS TO BE DELETED IN OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT			BILLETS OFF ENL		DESIG RATING	PNEC/SNEC PMOS/SMOS
USS Guam ACDU	07178	FY98	0	11	ABH	7011
USS New Orleans ACDU	07202	FY98	0	11	ABH	7011
<b>ACTIVITY TOTAL:</b>			0	22		

Note: The USS Harry S. Truman (CVN-75) will be commissioned in FY 98. The deactivation of the USS Independence (CV-62) will not delete billets as those billets will be transferred to CVN-75. The CV to be decommissioned upon the commissioning of CVN-76 (USS Ronald Reagan) has not been announced. Billets will be transferred to CVN-76 from the decommissioning CV. CV/CVN total will remain at 12.

## II.A.2.c. TOTAL BILLETS TO BE DELETED IN OPERATIONAL AND FLEET SUPPORT ACTIVITIES

DESIG RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY98		FY99		FY00		FY01		FY02	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
OPERATIONAL ACTIVITY		- ACDU											
ABH	7011	0	0	0	22	0	0	0	0	0	0	0	0
SUMMARY TOTAL													
OPERATIONAL ACTIVITY		- ACDU											
		0	0	0	22	0	0	0	0	0	0	0	0
GRAND TOTAL													
		- ACDU											
		0	0	0	22	0	0	0	0	0	0	0	0

## II.A.3. TRAINING ACTIVITIES INSTRUCTOR AND SUPPORT BILLET REQUIREMENTS

### INSTRUCTOR BILLETS

**TRAINING ACTIVITY, LOCATION, UIC:** NTTC Detachment Goodfellow AFB 30921

DESIG RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY98		FY99		FY00		FY01		FY02	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
ACDU ABH	70XX/9502	0	0	0	12	0	0	0	0	0	0	0	0

**TRAINING ACTIVITY, LOCATION, UIC:** NATTC Pensacola NAS Pensacola 63093

DESIG RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY98		FY99		FY00		FY01		FY02	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
ACDU ABH	7011/9502	0	33	0	0	0	0	0	0	0	0	0	0

Note: The following training activities are shown to support the total student loading for the school supporting NEC 7011. These training activities provide training established by other requirements than this NTSP.

**TRAINING ACTIVITY, LOCATION, UIC:** FTC Mayport NAVSTA Mayport 10151

DESIG RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY98		FY99		FY00		FY01		FY02	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
ACDU ABH	7011/9502	0	4	0	0	0	0	0	0	0	0	0	0

**TRAINING ACTIVITY, LOCATION, UIC:** NAS Whidbey Is (FF School) NAS Whidbey Is 00620

DESIG RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY98		FY99		FY00		FY01		FY02	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
ACDU ABH	7011/9502	0	3	0	0	0	0	0	0	0	0	0	0

## II.A.3. TRAINING ACTIVITIES INSTRUCTOR AND SUPPORT BILLET REQUIREMENTS

TRAINING ACTIVITY, LOCATION, UIC: FTC Norfolk NAVSTA Norfolk 61797

DESIG RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY98		FY99		FY00		FY01		FY02	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL

ACDU ABH	7011/9502	0	7	0	0	0	0	0	0	0	0	0	0
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TRAINING ACTIVITY, LOCATION, UIC: NAS Lemoore (FF School) NAS Lemoore 63042

DESIG RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY98		FY99		FY00		FY01		FY02	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL

ACDU ABH	7011/9502	0	7	0	0	0	0	0	0	0	0	0	0
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TRAINING ACTIVITY, LOCATION, UIC: FTC San Diego NAVSTA San Diego 61690

DESIG RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY98		FY99		FY00		FY01		FY02	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL

ACDU ABH	7011/9502	0	5	0	0	0	0	0	0	0	0	0	0
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TRAINING ACTIVITY, LOCATION, UIC: AFLOATTRAGRU PAC NAVBASE San Diego 57062

DESIG RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY98		FY99		FY00		FY01		FY02	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL

ACDU ABH	7011/9502	0	4	0	0	0	0	0	0	0	0	0	0
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TRAINING ACTIVITY, LOCATION, UIC: AFLOATTRAGRU MID PAC NAVBASE Pearl Harbor 57063

DESIG RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY98		FY99		FY00		FY01		FY02	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL

ACDU ABH	7011/9502	0	1	0	0	0	0	0	0	0	0	0	0
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TRAINING ACTIVITY, LOCATION, UIC: FTG WEST PAC Yokosuka 57064

DESIG RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY98		FY99		FY00		FY01		FY02	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL

ACDU ABH	7011/9502	0	3	0	0	0	0	0	0	0	0	0	0
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#### II.A.4. CHARGEABLE STUDENT BILLET REQUIREMENTS

ACTIVITY, LOCATION, UIC	USN/ USMC	PFYs		CFY98		FY99		FY00		FY01		FY02	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
NTTC Goodfellow	Goodfellow AFB	30921											
	Navy	0	0	0	0	0	32.2	0	32.2	0	32.2	0	32.2
NATTC Pensacola	NAS Pensacola	63093											
	Navy	0	12.8	0	12.7	0	12.1	0	12.1	0	12.1	0	12.1

Note: Team training is returnable quota training and is not chargeable.

#### SUMMARY TOTAL

	Navy	0	12.8	0	12.7	0	44.3	0	44.3	0	44.3	0	44.3
<b>GRAND TOTAL</b>		0	12.8	0	12.7	0	44.3	0	44.3	0	44.3	0	44.3

## II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

DESIG RATING PNEC/SNEC	BILLET BASE	CFY98 +/- CUM	FY99 +/- CUM	FY00 +/- CUM	FY01 +/- CUM	FY02 +/- CUM
<b>a. OFFICER - USN</b>						
Operational Billets ACDU 7310	9	0 9	0 9	0 9	0 9	0 9
Chargeable Student Billets ACDU	0	0 0	0 0	0 0	0 0	0 0
TOTAL USN OFFICER BILLETS						
Operational	9	0 9	0 9	0 9	0 9	0 9
Student	0	0 0	0 0	0 0	0 0	0 0
<b>b. ENLISTED - USN</b>						
Operational Billets ACDU						
ABH 7011	401	0 401	-22 379	0 379	0 379	0 379
ABH 70XX	341	0 341	+26 367	0 367	0 367	0 367
Fleet Support Billets ACDU						
ABH 7011	3	0 3	0 3	0 3	0 3	0 3
ABH 70XX	6	0 6	0 6	0 6	0 6	0 6
Instructor and Support (Staff) Billets ACDU						
ABH 7011	33	0 33	0 33	0 33	0 33	0 33
ABH 70XX	0	+12 12	0 12	0 12	0 12	0 12
Chargeable Student Billets ACDU	13	0 13	+31 44	0 44	0 44	0 44
TOTAL USN ENLISTED BILLETS						
Operational	742	0 742	+4 746	0 746	0 746	0 746
Fleet Support	9	0 9	0 9	0 9	0 9	0 9
Staff	33	+12 45	0 45	0 45	0 45	0 45
Student	13	0 13	+31 44	0 44	0 44	0 44

## II.B. PERSONNEL REQUIREMENTS

### II.B.1. ANNUAL TRAINING INPUT REQUIREMENTS

**CIN, COURSE TITLE:** C-780-2013 Advanced ABH Training Afloat  
**COURSE LENGTH:** 4.8 Weeks **TOUR LENGTH:** Navy: 36  
**ATTRITION FACTOR:** Navy 0 % **BACKOUT FACTOR:** .10

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY98 OFF ENL	FY99 OFF ENL	FY00 OFF ENL	FY01 OFF ENL	FY02 OFF ENL
NATTC Pensacola	Navy	ACDU	0 132	0 125	0 125	0 125	0 125
		TOTAL:	0 132	71 125	0 125	0 125	0 125

**CIN, COURSE TITLE:** X3ABR3E731-006 Fire Protection Apprentice (Shore Based Airport Firefighter)  
**COURSE LENGTH:** 13.4 Weeks **TOUR LENGTH:** Navy: 36  
**ATTRITION FACTOR:** Navy 0 % **BACKOUT FACTOR:** .27

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY98 OFF ENL	FY99 OFF ENL	FY00 OFF ENL	FY01 OFF ENL	FY02 OFF ENL
NTTC Goodfellow	Navy	ACDU	0 0	0 126	0 126	0 126	0 126
		TOTAL:	0 0	0 126	0 126	0 126	0 126

**CIN, COURSE TITLE:** C-780-2012 Shipboard Firefighting Team Training  
**COURSE LENGTH:** 1 Weeks **TOUR LENGTH:** NA  
**ATTRITION FACTOR:** Navy 0 % **BACKOUT FACTOR:** 0

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY98 OFF ENL	FY99 OFF ENL	FY00 OFF ENL	FY01 OFF ENL	FY02 OFF ENL
NATTC Pensacola	Navy	ACDU	18 274	17 255	17 255	17 255	17 255
		TOTAL:	18 274	17 255	17 255	17 255	17 255



## **PART III - TRAINING REQUIREMENTS**

The following elements are not affected by the Aircraft Rescue and Firefighting Training Program and, therefore, are not included in Part III of this NTSP:

III.A.3. Existing Training Phased Out

### PART III - TRAINING REQUIREMENTS

#### III.A.1. INITIAL TRAINING REQUIREMENTS

**COURSE TITLE:** Fire Protection Apprentice (Shore-Based Airport Firefighter)  
**COURSE DEVELOPER:** USAF  
**COURSE INSTRUCTOR:** USAF  
**COURSE LENGTH:** 93 days

LOCATION, UIC		DATE BEGIN	STUDENTS OFF	ENL	CIV	ACTIVITY DESTINATION
Goodfellow AFB	30921	6/98	0	12	0	INPUT
NTTC Detachment			0	3.1		AOB
			0	3.1		CHARGEABLE

Note: This course is on line under USAF course number X3ABR3E731 006. This initial training is for the instructor requirements to support the Navy throughput.

**COURSE TITLE:** ABH Advanced Training, Afloat  
**COURSE DEVELOPER:** NATTC Pensacola  
**COURSE INSTRUCTOR:** NATTC Pensacola  
**COURSE LENGTH:** 32 days

LOCATION, UIC		DATE BEGIN	STUDENTS OFF	ENL	CIV	ACTIVITY DESTINATION
NATTC Pensacola	63093	7/98	0	10	0	INPUT
			0	0		AOB
			0	0		CHARGEABLE

Note: This is the revised CIN C-780-2013. Instructors will be in place teaching the existing course.

### III.A.2. FOLLOW-ON TRAINING

#### III.A.2.a. EXISTING COURSES

**CIN, COURSE TITLE:** X3ABR3E731 006 Fire Protection Apprentice (Shore-Based Airport Firefighter)  
**TRAINING ACTIVITY:** NTTC Det Goodfellow AFB  
**LOCATION, UIC:** Goodfellow AFB 30921

**SOURCE:** Navy **STUDENT CATEGORY:** ACDU

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	0	0	126	0	126	0	127	0	126	ATIR
0	0	0	126	0	126	0	127	0	126	Output
0	0.0	0	32.2	0	32.2	0	32.2	0	32.2	AOB
0	0.0	0	32.2	0	32.2	0	32.2	0	32.2	Chargeable

**CIN, COURSE TITLE:** C-780-2013 ABH Handling, Advanced (ABH-V) Course  
**TRAINING ACTIVITY:** NATTC  
**LOCATION, UIC:** NATTC Pensacola 63093

**SOURCE:** Navy **STUDENT CATEGORY:** ACDU

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	132	0	125	0	125	0	125	0	125	ATIR
0	132	0	125	0	125	0	125	0	125	Output
0	12.7	0	12.1	0	12.1	0	12.1	0	12.1	AOB
0	12.7	0	12.1	0	12.1	0	12.1	0	12.1	Chargeable

Note: This course will be revised and the revised curriculum should begin course trials in July '98 and be RFT October '98.

**CIN, COURSE TITLE:** C-780-2012 Aircraft Firefighting Shipboard Team Training  
**TRAINING ACTIVITY:** NATTC Pensacola  
**LOCATION, UIC:** NATTC Pensacola 63093

**SOURCE:** Navy **STUDENT CATEGORY:** ACDU

CFY98		FY99		FY00		FY01		FY02		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
18	274	17	255	17	255	17	255	17	255	ATIR
18	274	17	255	17	255	17	255	17	255	Output
0.2	3.7	0.2	3.5	0.2	3.5	0.2	3.5	0.2	3.5	AOB
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Chargeable

Notes: This is reoccurring training for flight deck crash crews every 24 months or when there is a 40% turnover in crash crew personnel. This training is returnable quota and does not create chargeable billets. The AOB is a very small number as compared to the actual group for each class. A carrier will send 25 personnel to this course and an amphibious class ship will send 19 personnel.

## **PART IV - TRAINING LOGISTICS SUPPORT REQUIREMENTS**

The following elements are not affected by the Aircraft Rescue and Firefighting Program and therefore are not included in Part IV of this NTSP.

IV.B.1. Training Services

IV.B.3 Technical Manuals

IV.C. Facility Requirements

IV.C.2. Facility Requirements Detailed by Activity and Course

IV.C.3. Facility Project Summary by Program

## PART IV - TRAINING LOGISTICS SUPPORT REQUIREMENTS

### IV.A. TRAINING HARDWARE

#### IV.A.1. TTE / GPTE / SPTE / ST / GPETE / SPETE

TRAINING ACTIVITY: NATTC

LOCATION, UIC: Penascola

63093

CIN, COURSE TITLE: C-780-2012 Aircraft Firefighting Shipboard Team Training  
 C-780-2013 ABH Aircraft Handling Advanced (ABH-V) (and when  
 updates, ABH Advanced Training, Afloat)  
 C-820-2010 ABH Class A School

ITEM NUMBER	EQUIPMENT/ TYPE OR RANGE OF REPAIR PARTS	QTY REQ'D	DATE REQ'D	GFE CFE	STATUS
TTE					
001	P-16 Mobile Firefighting Vehicle with Equipment	2	1/97	GFE	On board
002	SB TAU (H-2) Twin Agent Unit (shipboard model)	2	1/97	GFE	On board
003	A/S 32A-31A (MD-3) Aircraft Tow Tractor	1	1/97	GFE	On board
004	A/S 32A-36 Carrier Amphib Crash Crane	1	1/97	GFE	On board
005	A/S 32A-35 CV Crash Crane	1	1/97	GFE	On board
006	AH-1T Helicopter (without engines)	1	1/97	GFE	
007	SH 60 Helicopter (without engines)	1	1/97	GFE	
008	SH-3G Helicopter (without engines)	1	1/97	GFE	On board
009	CH-53E Helicopter (without engines)	1	1/97	GFE	
010	CH-46 Helicopter (without engines)	1	1/97	GFE	
011	AV-8B Aircraft (without engines)	1	1/97	GFE	On board
012	F-14 Aircraft (without engines)	1	1/97	GFE	On board
013	F/A-18 Aircraft (without engines)	1	1/97	GFE	
014	S-3 Aircraft (without engines)	1	1/97	GFE	
015	T-45 (without engines)	1	1/97	GFE	
016	EA-6B (without engines)	1	1/97	GFE	
017	UH-1N (without engines)	1	1/97	GFE	
018	E-2 (without engines)	1	1/97	GFE	On board

#### IV.A.1. TTE / GPTE / SPTE / ST / GPETE / SPETE

ITEM NUMBER	EQUIPMENT/ TYPE OR RANGE OF REPAIR PARTS	QTY REQ'D	DATE REQ'D	GFE CFE	STATUS
019	Seat, ejection (NACES)	1	1/97	GFE	
020	P-25 Mobile Firefighting Vehicle	2	1/99	GFE	
021	Dolly, tailhook	3	1/97	GFE	On board
022	Adapt, Flat 3200 lb. Crash Dolly	2	1/97	GFE	On board
023	Adapt, Concave Crash Dolly	1	1/97	GFE	On board
024	A/S 32P-10 Forcible Entry Truck	1	1/97	GFE	On board
025	NF-20 Crash Forklift	2	1/97	GFE	On board
026	NS-60 Aircraft Sling	2	1/97	GFE	On board
027	E-2C Aircraft Sling	2	1/97	GFE	On board
028	H-60 Aircraft Sling	1	1/97	GFE	On board
029	H-46 Aircraft Sling	1	1/97	GFE	On board
030	EA-6B Aircraft Sling	1	1/97	GFE	On board
031	AV-8B Aircraft Sling	1	1/97	GFE	On board
032	F-14 Aircraft Sling	2	1/97	GFE	On board
033	F/A-18 Aircraft	2	1/97	GFE	On board
034	S-3 Aircraft Sling	1	1/97	GFE	On board

Note: All other training equipment is in place, as part of approved course training project plans. The above list includes essential training items that are high cost or hard to acquire. These are shared assets between the courses.

#### IV.A.2. TRAINING DEVICES

**DEVICE:** Aircraft Debris Pile Mock-up

**DESCRIPTION OF DEVICE:** The Aircraft Debris Pile Mock-up simulates an aircraft accident (conflagration) and exposes the aircraft firefighter to a fire that is the most difficult to extinguish and the expected hazards that may be encountered with this type of fire.

**MANUFACTURER:** Hughes & Associates

**CONTRACT NUMBER:** NA.

**TEE STATUS:** NA.

<b>TRAINING ACTIVITY:</b>	NATTC					
<b>LOCATION, UIC :</b>	Pensacola		63093			
	<b>QTY REQ'D</b>	<b>DATE REQ'D</b>	<b>RFT DATE</b>	<b>STATUS</b>	<b>COURSES SUPPORTED</b>	
	1	1/97	1/97	On board	C-780-2012 C-780-2013 C-820-2010	

**DEVICE:** Aircraft Engine Mock-up

**DESCRIPTION OF DEVICE:** The Aircraft Engine Mock-up simulates an aircraft engine fire and exposes the aircraft firefighter to a fire that is difficult to extinguish and the expected hazards that may be encountered with this type of fire.

**MANUFACTURER:** Hughes & Associates

**CONTRACT NUMBER:** NA.

**TEE STATUS:** NA.

<b>TRAINING ACTIVITY:</b>	NATTC					
<b>LOCATION, UIC :</b>	Pensacola		63093			
	<b>QTY REQ'D</b>	<b>DATE REQ'D</b>	<b>RFT DATE</b>	<b>STATUS</b>	<b>COURSES SUPPORTED</b>	
	1	1/97	1/97	On board	C-780-2012 C-780-2013 C-820-2010	

#### IV.A.2. TRAINING DEVICES

**DEVICE:** Fixed Wing A/C Mock-up

**DESCRIPTION OF DEVICE:** The Fixed Wing A/C Mock-up simulates a fixed wing type aircraft fire and exposes the aircraft firefighter to a fire that is difficult to extinguish and the expected hazards that may be encountered with this type of fire.

**MANUFACTURER:** Hughes & Associates

**CONTRACT NUMBER:** NA.

**TEE STATUS:** NA.

**TRAINING ACTIVITY:** NATTC  
**LOCATION, UIC :** Pensacola

63093

QTY REQ'D	DATE REQ'D	RFT DATE	STATUS	COURSES SUPPORTED
1	1/97	1/97	On board	C-780-2012 C-780-2013 C-802-2010

**DEVICE:** Cascade Fuel Fire Mock-up

**DESCRIPTION OF DEVICE:** The Cascade Fuel Fire Mock-up simulates a cascading fuel fire and exposes the aircraft firefighter to a fire that is difficult to extinguish and the expected hazards that may be encountered with this type of fire.

**MANUFACTURER:** Hughes & Associates

**CONTRACT NUMBER:** NA.

**TEE STATUS:** NA.

**TRAINING ACTIVITY:** NATTC  
**LOCATION, UIC :** Pensacola

63093

QTY REQ'D	DATE REQ'D	RFT DATE	STATUS	COURSES SUPPORTED
1	1/97	1/97	On board	C-780-2012 C-780-2013 C-780-2010

Note: All training devices and equipment required for the DoD firefighting academy at Goodfellow AFB are in place.



#### IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

**TRAINING ACTIVITY:** NATTC  
**LOCATION, UIC:** Pensacola 63093  
**CIN, COURSE TITLE:** C-780-2012 Aircraft Firefighting Ship-board Team Training  
 C-780-2013 ABH Aircraft Handling, Advanced

TYPES OF MATERIAL OR AID	QTY REQ'D	DATE REQ'D	STATUS
3 Course Outlines	1 set	1/97	On board
3 Instructor Lesson Guides	1-set	1/97	On board
50 Student Lesson Guides	1-set	1/97	On board
50 Student Lesson Guides	1-set	1/97	On board
Still Pictures, Overhead	1-set	1/97	On board
Screen, Projection	2	1/97	On board
Projector, Slide	1	1/97	On board
Monitor, 19" Color	2	1/97	On board
Camera, TV	1	1/97	On board
Video Cassette, VCR	1	1/97	On board
NATOPS U.S. Navy Firefighting and Rescue Manual NAVAIR-00-80R-14	10	1/97	On board
NATOPS U.S. Navy Aircraft Emergency Rescue Information Manual NAVAIR-00-80-R-14-1	10	1/97	On board
NATOPS U.S. Navy Aircraft Crash and Salvage Operations Manual (Afloat) NAVAIR-00-80R-19	10	1/97	On board
NATOPS U.S. Navy Aircraft Crash and Salvage Operations Manual (Shore) NAVAIR-00-80R-20	10	1/97	On board

#### IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

**TRAINING ACTIVITY:** NATTC  
**LOCATION, UIC:** Pensacola 63093  
**CIN, COURSE TITLE:** C-780-2013 ABH Advanced Training, Afloat

Note: The following revised items will be required when this revised course is RFT.

TYPES OF MATERIAL OR AID	QTY REQ'D	DATE REQ'D	STATUS
3 Course Outlines	1 set	10/99	
3 Instructor Lesson Guides	1-set	10/99	
50 Student Lesson Guides	1-set	10/99	
50 Student Lesson Guides	1-set	10/99	
Still Pictures, Overhead	1-set	10/99	

**TRAINING ACTIVITY:** DoD Firefighting Academy  
**LOCATION, UIC:** Goodfellow AFB (NTTC Det ) 30921  
**CIN, COURSE TITLE:** X3ABR3E731 006 Fire Protection Apprentice (Shore Based Firefighter)

TYPES OF MATERIAL OR AID	QTY REQ'D	DATE REQ'D	STATUS
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All training materials and aids are in place at Goodfellow AFB.

#### IV.C. FACILITY REQUIREMENTS

##### IV.C.1. FACILITY REQUIREMENTS SUMMARY (SPACE/SUPPORT) BY ACTIVITY

TRAINING ACTIVITY: NATTC Pensacola

LOCATION, UIC: NAS Pensacola 63093

CIN, COURSE TITLE: C-780-2012 Aircraft Firefighting Shipboard Team Training  
C-780-2013 ABH Aircraft Handling, Advanced

REQUIRED RFT DATE: 1/97

SQUARE FEET SPACE REQUIREMENTS			MAJOR EFR REQUIREMENTS			SPACE AVAILABLE	FACILITIES SUPPORT AVAILABILITY		
ACADEMIC CLASS	LAB	APPROVED CLASS/LAB	(KW) POWER	A/C TONS	OTHER CRITICAL	A P N	(KW) POWER	A/C TONS	OTHER CRITICAL
						X			

A - Available, P - Partially, N - Not Available

Note: All facilities are available at Goodfellow AFB to support Navy training requirements.

## PART V - MPT MILESTONES

COG CODE	MPT MILESTONES	DATE	STATUS
PDA	NTP Approved	1/95	Completed
TA	Move AB/Firefighting Schools to Pensacola	9/96	Completed
TSA	Update NTSP (Proposed Draft)	6/96	Completed
TA	NATTC Pensacola RFT	1/97	Completed
TSA	Draft NTSP distributed for comment	1/97	Completed
CNO	Maintenance Training Requirements Review for AB rating	3/97	Completed
TSA	Incorporate comments and changes into NTSP	9/97	Completed
PDA	Submit Proposed NTSP to CNO	12/97	Completed
CNO	Approve NTSP	2/98	Completed
TSA	Commence Initial Training for Shore Based Firefighter Instructors (Goodfellow)	6/98	
TSA	Stand up follow-on Navy Firefighter Training at Goodfellow AFB	10/98	
TA	Follow-on Training for Shore-Based Firefighter	10/98	
NATTC	Commence follow-on training for the Revised ABH Advanced Training, Afloat	10/98	

## PART VI - DECISION ITEMS/ACTION REQUIRED

DECISION ITEM OR ACTION REQUIRED	COMMAND ACTION	DUE DATE	STATUS
CNET	Identify and assign instructors for NTTC Detachment at Goodfellow AFB	6/98	In work
NATTC	Revise C-780-2013 course	6/98	In work

## PART VII - POINTS OF CONTACT

NAME / FUNCTION / ACTIVITY, CODE / INTERNET EMAIL	TELEPHONE NUMBERS
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<b>Mr. R. Zweibel</b> Training Technology Policy CNO, N751	<b>COMM</b> (703) 614-1344 <b>DSN</b> 224-1344 <b>FAX</b> (703) 695-5698
<b>CAPT S. Davis</b> Deputy Assistant, Chief of Military Personnel for Distribution BUPERS, PERS 4B	<b>COMM:</b> (703) 614-3454 <b>DSN:</b> 224-3454 <b>FAX:</b> (703) 614-7705
<b>CDR Lineberg</b> Branch Head, Aviation Rating BUPERS, PERS 404	<b>COMM</b> (703) 693-1370 <b>DSN</b> 223-1370 <b>FAX</b> (703) 693-1392
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## PART VII - POINTS OF CONTACT

NAME / FUNCTION / ACTIVITY, CODE / INTERNET EMAIL	TELEPHONE NUMBERS
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<b>LCDR E. Hawkins</b> Aviation NTSP Manager CINCLANTFLT, N-721	<b>COMM:</b> (757) 445-7853 <b>DSN:</b> 565-7853 <b>FAX:</b>
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## PART VII - POINTS OF CONTACT

### NAME / FUNCTION / ACTIVITY, CODE / INTERNET EMAIL

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